

## **Release Notes for IWFM Version 4.0.303**

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### **IMPORTANT NOTE:**

**Starting with version 4.0.266 of IWFM, the definition of the irrigation trigger minimum soil moisture for non-ponded crops is changed (please see note 4 in *Release Notes for IWFM version 4.0.266* as well as the IDC Theoretical Documentation). This change requires the modification of the values for this parameter in existing models using versions of IWFM before v4.0.266 if these models need to be migrated to this version.**

This version of IWFM includes the following modifications and corrections compared to IWFM v4.0.286:

1. **(09/13/2013)** When Simulation is run with the flag “-about”, version number for the package Package\_PrecipitationET.lib is printed out along with the version numbers of other packages.
2. **(09/17/2013)** The node numbers for tile drains and subsurface irrigation in a multi-layer aquifer were not calculated correctly in the Z-Budget post-processor. This is corrected.
3. **(12/19/2013)** Number of simulated tile drains and subsurface irrigation were not stored in permanent variables which caused Simulation to skip the calculation of tile drain and subsurface irrigation flows, entirely. This is corrected.

4. **(12/19/2013)** When root zone component was not defined but well/element pumping existed, the relative fractions to distribute pumping columns to individual wells or element pumps were not normalized. This is corrected.
5. **(12/30/2013)** When supply adjustment specification column number was set to zero for either diversions, well or element pumping a memory error occurred. This is corrected. Also, diversion specifications template file is modified to let users know that they can set ICADJ column to zero.
6. **(12/30/2013)** When maximum diversion rates were specified, they were not carried to the next time step properly. This is corrected.
7. **(12/31/2013)** When vertical flows for a single aquifer layer were printed out for each subregion they were computed as non-zero incorrectly at certain cases because a missing part of an IF statement. This is corrected.
8. **(01/13/2014)** In lake budget output, inflows from bypasses are separated from direct inflows into lakes from streams.